



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

November 19, 1986

Mr. L. B. Giles, Plant Manager
Ideal Basic
Auxiliary Route No. 3
Morgan, Utah 84050

Dear Mr. Giles:

Re: Mining and Reclamation Plan Review, Devil's Slide Cement Plant,
ACT/029/001, Morgan County, Utah

The Division has reviewed the Mining and Reclamation Plan for the Devil's Slide Operation, submitted October 16, 1986. Some deficiencies have been identified in the areas of soils, biology and geology, which are attached. Review of the hydrology and engineering sections has not yet been undertaken. Any deficiency comments in these areas will be forwarded to you as soon as they are available.

Please feel free to contact me if you have questions on responding to these deficiencies.

Sincerely,

Susan C. Linner
Reclamation Biologist/
Permit Supervisor

jvb
Attachment
cc: B Team
0980R

FILE COPY

Mining and Reclamation
Plan Review

Ideal Basic
Devil's Slide Cement Plant
ACT/029/001
Morgan County, Utah

November 19, 1986

General Format

The plan submitted October 17, 1986 only addresses the Division's review comments of May 9, 1985. To make the plan complete to stand on its own, the applicant should include an introductory chapter which addresses the information on the applicant, location of operation, ownership, and a general description of mining operations and the life of the mine, that are found on pp. 1-2 of the Division's Form MR-1.

All additions to the submitted plans shall be formatted and marked appropriately so as to replace or supplement existing pages and keep the plan complete within the binder.

Rule M-3(1)(f) - DD

More information is still needed to define the existence of groundwater in the mine plan area. The applicant states that no groundwater has been encountered in any exploration drill hole (page 1).

The applicant shall list the depths of the exploration drill holes. This will give reviewers an understanding of the depth to which water was not encountered.

The applicant shall state the depth of the wells and the approximate depth to groundwater.

Rule M-10(6) Toxic Materials - JSL

The Operator has not addressed this section. The operator must define all toxic materials and develop plans to fulfill Rule M-3(2)(c)(2) and Rule M-10(6).

Rule M-10(12) - LK

The operator needs to provide a specific revegetation plan (i.e., what species from the list of adapted species provided by SCS will be used). Will the area be drill or broadcast seeded or both, and if both what acreage will be involved with each method? What type(s) of mulch will be used and at what rate? How will it be anchored?

The seeding rates for the adapted grass species (SCS list) appear to be for seeding a pure stand of a particular species. These rates should be reduced for seeding in a mixture. DOGM can assist in determining the appropriate seeding rates once the species selection has been made.

Please provide the "as built" design for the test plots that were installed this fall including a discussion of the treatments used.

The vegetation study does not identify the % total vegetation cover as such. However, Mr. Wendell Peterson was contacted by the Division of Oil, Gas and Mining and confirmed that "percent composition" as used in his report was the same % total vegetation cover. The Division will use these figures for establishing the reclamation success standard.

0980R-2